

Title (en)
POLAR MODIFIED POLYPROPYLENE WAXES

Title (de)
POLAR MODIFIZIERTE POLYPROPYLEN-WACHSE

Title (fr)
CIRES DE PROPYLENE POLAIREMENT MODIFIEES

Publication
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Application
EP 97951908 A 19971118

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Abstract (en)
[origin: US5998547A] The present invention relates to partially crystalline polypropylene homopolymer or copolymer waxes modified so as to be polar and having an acid or saponification number of from 0.5 to 120 mg KOH/g, a melt viscosity of from 20 to 50,000 mPa.s/170 DEG C. and a softening point (ring/ball) of from 90 to 165 DEG C., prepared by reacting a nonpolar polypropylene homopolymer or copolymer wax with an alpha , beta -unsaturated carboxylic acid or a derivative thereof in the presence of free-radical formers, wherein the nonpolar polypropylene wax has been prepared by direct polymerization of propylene or copolymerization of propylene with higher 1-olefins using catalysts of Ziegler or metallocene type and has a softening point (ring/ball) of from 90 to 165 DEG C. The waxes are useful as plastics additives, for aqueous dispersions or for melt adhesive formulations.

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C-Set (source: EP US)
C08F 8/00 + C08F 10/06

Cited by
US2014058016A1; EP2113541A1; DE102014001432A1; EP2062925A1; DE102007056440A1; DE102017214046A1; WO2019030251A1; DE102017215773A1; WO2019048307A1; EP2014736A1; DE102007031967A1; DE102007052965A1; DE102007036792A1; US7005224B2; EP2020420A1; EP2058362A1

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